

While of most direct value to foresters and forestry students the bulletin is published for the people of the state and should be of great value to all who are interested in plants and trees.
—G. T. HASTINGS.

PROCEEDINGS OF THE CLUB

MEETING OF JANUARY 9, 1923

The meeting of the above date was held at the American Museum of Natural History.

The following new members were elected:

Mr. Arthur W. Carpenter, New York City.

Mr. Carlos E. Chardon, Experiment Station, Rio Piedras, Porto Rico.

Dr. L. H. Jaffe, Montefiore Hospital, New York City.

Mr. H. A. Karling, Dept. of Botany, Columbia Univ., New York City.

Mr. Eduardo Quisumbing, College of Agriculture, Los Baños, P. I.

Dr. David Seecof, Montefiore Hospital, New York City.

The Secretary, Dr. M. A. Howe, reported the total attendance at meetings of the Club for 1922, was 357, an average of 25.5 persons per meeting. The present membership, not including those elected at the present meeting and three elected in 1922, but not yet qualified, is 284. 25 new members were elected in 1922. Only 6 were lost, 2 by death, 2 by resignation, and 2 being dropped for non-payment of dues.

The Treasurer, Dr. F. J. Seaver, reported gross receipts of \$4315.37, including balance of \$139.77 brought over from 1921, but not including \$978.88 from the estate of Mary S. Andrews, which was assigned to the Endowment Fund. Disbursements amounted to \$3936.12, leaving a cash balance of \$379.45. The Endowment Fund now amounts to \$3,536.58, distributed as follows: Underwood Fund, \$1,974.82; Andrews Fund, \$978.88; Buchanan Fund, \$582.88.

The Editor, Prof. Alexander W. Evans, reported that volume 49 of the *Bulletin* contains 408 pages and 17 plates.

The Editor of *Torreyia*, Mr. George T. Hastings, reported the publication of six bi-monthly numbers, aggregating 115

pages. He appealed for more short articles on the local flora more news items, etc.

Dr. Michael Levine, Business Manager, reported a gratifying increase in the amount of advertising and a high degree of success in stimulating payment of dues in arrears.

The Rev. Dr. H. M. Denslow, Honorary Custodian of the Local Herbarium appointed by the N. Y. Botanical Garden, stated that about 300 sheets of specimens illustrating the local flora had been contributed by Mr. W. C. Ferguson of Hempstead and about 325 specimens had been added from collections made during the year by Mr. Beals in the northern Catskills and in southern New Jersey and by the Custodian in Passaic Co., N. J., and in Rockland, Ulster, and Orange counties, N. Y. With the assistance of Mrs. Wm. Mitchell, the many thousand sheets of the Local Herbarium are being rearranged according to geographical distribution in the 61 counties included in the local flora area.

The chairman of the Field Committee, Mr. A. T. Beals, reported that of thirty announced field meetings all but two were carried out as planned, with an average attendance of twelve.

Dr. N. L. Britton, chairman of the Local Committee, reported that the time seemed opportune for compiling lists of the local plants of groups below the spermatophytes and pteridophytes as well as for revising the published lists of plants of these higher groups. It was voted that this matter be referred to the Local Flora Committee for action.

Officers were elected, the list being given on the second cover page of this issue.

Dr. N. L. Britton proposed in writing amendments to the Constitution and By-Laws, as follows: (a) To substitute the word Bibliographer for the word Librarian in Article III of the Constitution and in Article VII of the By-Laws.

(b) To make Article X of the Constitution read "The duties of the Bibliographer shall be such as may be assigned by the Club from time to time."

The proposed amendment was referred to a committee consisting of Dr. J. H. Barnhart and Dr. John K. Small for consideration and report at the next meeting of the Club.

MARSHALL A. HOWE,
Secretary.

MEETING OF JANUARY 31, 1923.

The meeting of the above date was held in the Morphological Laboratory of The New York Botanical Garden.

The amendments to the Constitution and By-Laws proposed by Dr. Britton at the last meeting and recorded in the minutes of that meeting were adopted. It was voted that the duty of the Bibliographer should be the preparation of the copy for the Index to Recent Literature, published by the Club. Miss Hester M. Rusk was elected Bibliographer.

Two new members were elected, Miss Ruth A. Connolly, New York City, and Donald Culross Peattie, Plant Introduction Gardens, Miami, Florida.

It was voted that the restrictions as to the number of pages to be printed in the *Bulletin* and *Torreya* for 1923 should remain the same as for the past year.

The first paper on the scientific program was by Dr. A. H. Graves on "The *Melanconium* Disease of Butternut."

This disease is one of the chief troubles of the butternut (*Juglans cinerea* L.). The Japanese walnut (*J. Sieboldiana* Maxim.) is also particularly susceptible. Inoculation experiments, carried on for more than four years, have demonstrated conclusively that the fungus is a weak parasite. Entering usually through small twigs, the mycelium grows slowly down through the wood—faster if the tree is already weakened—to the main branch and finally to the trunk. Ordinarily the progress of the disease is so slow that the leaves fall off one by one, not producing any striking wilting or blighting effects. In the final stages, the affected trees have a marked stag-headed aspect. Diseased branches should be pruned off promptly some distance below the apparent affection and the wounds tarred over or painted. After the fungus has penetrated the trunk there is no efficacious remedy.

The second paper was by Mr. Kenneth R. Boynton, his subject being "Some Succulent Groundsels."

Since the 16th century, the group of Senecios or groundsels known as *Kleinias* have been cultivated in the larger collections of succulents. They were introduced from South Africa, where they are found most abundantly in the "Karoo" vegetation, made up of plants of a xerophytic character, inhabiting a region of infrequent rains and drying winds. Two main types are

found, the stem succulents with thickened jointed stems and insignificant leaves, and the leaf succulents, with turgid brittle leaves of cylindrical pointed contour. There are perhaps seven species of the former type, including *Kleinia anteuophorbia* whose succulent branches get to be nearly an inch thick, and ten species of the latter type, including the creeping sorts with short curved leaves scarcely an inch long but almost half an inch thick, such as *Kleinia radicans* and *K. divaricata*, and *K. chordifolia*, with onion-like leaves up to 8 inches long. The *Kleinias* are associated in their natural habitat with the cactus-like spurges, the Mesembryanthemums, and the Stapelias. Eastward and northward in Africa they are represented by five species nearly related to the *Notonias* of India and characterized by somewhat fleshy but broader leaves and showier flowers. The talk was illustrated by living specimens from the greenhouses of the New York Botanical Garden.

MARSHALL A. HOWE,
Secretary.

MEETING OF FEBRUARY 13, 1923.

The meeting of the above date was held at the Museum of Natural History.

The program of the evening consisted of an illustrated lecture entitled "A Summer in the Colombian Andes" by Dr. Tracy E. Hazen. Dr. Hazen's interesting talk was based upon personal experiences during the summer of 1922. A sketch of his itinerary and brief descriptions of some of the more striking features of the flora of the region visited were given, without lantern slides, at the meeting of the Club held on October 11, 1922, and appear in the published minutes of that date.

MARSHALL A. HOWE,
Secretary.